

MEGA large C&I inverter series

Power conversion system

(With isolation transformer)



KEY STRENGTHS

- Reactive power, active power adjustable.
- Multiple working modes are available, which can be flexibly applied to various working scenarios.
- Built-in isolation transformer, adapt to impact load.
- Redundant design for auxiliary power supply.
- Highest power density, maximum efficiency reach 97.5%.
- Supports parallel connection of multiple machines.

APPLICATIONS



PV charging station



C&I energy storage



Charging station



Model	MEGA0030TS	MEGA0050TS	MEGA0100TS	MEGA0150TS	MEGA0250TS	MEGA0500TS
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DC(battery)

Voltage range (V)	250~850	320~850	420~850	420~850	420~850	500~850
Max. current (A)	137	178	270	405	673	1,128

AC(on-grid)

Max. output power (kW)	33	55	110	165	275	550
Rated output power (kW)	30	50	100	150	250	500
Rated voltage (V)	400					
Voltage range (V)	320~460					
Rated current (A)	43	72	144	216	361	722
Max. output current (A)	48	80	159	238	397	794
Rated frequency (Hz)	50/60					
Frequency range (Hz)	45~55 / 55~65					
THDi	<3%					
Power factor	1leading~1lagging(settable)					
Grid type	3W+N+PE					

AC(off-grid)

Rated voltage (V)	400					
THDu	< 1% Linear < 5% nonlinear					
Rated frequency (Hz)	50/60					
Overload capacity	110% long-term					

General data

Max. efficiency	96.3%	96.5%	97.1%	97.1%	97.3%	97.5%
Ingress protection	IP21					
Noise emission (dB)	<70					
Operating temperature (°C)	-30 ~ +55					
Cooling	Forced air					
Relative humidity	0 ~95% non-condensing					
Max. operating altitude (m)	5,000(>3,000 derating)					
Dimension W*D*H (mm)	800*800*1,900	800*800*1,900	800*800*1,900	800*800*1,900	1,200*800*2,050	1,600*1050*2,050
Weight(kg)	621	712	936	1,057	1,582	2,665
Self-consumption	< 0.5%					
On/ off grid switching	Automatic					

Display and communication

Display	LCD touch-screen					
BMS communication	RS485, CAN					
EMS communication	RS485, TCP/IP					
Certificates	IEC/EN 62109-1/-2, EN 62477-1, IEC/EN 61000-6-2/-6-4, EN 50549-1/-10, NRS 097-2-1:2017 ASGC, GB/T 34120, GB/T 34133, CGC-R46103:2018A, PTPIREE REV1.2: 2024 TYPE B					